

**AUTOMATIC POWER SUPPLY SELECTOR FOR ACPI-COMPLIANT
PCI DEVICES**

Abstract

1 Apparatus for automatically selecting one of two or more available
2 power supply voltages for use as a main power supply of a PCI adapter is
3 described. In one embodiment, a power supply selector is designed such that
4 the presence of a positive voltage at a Vaux input thereof prevents power at a
5 Vcc input thereof from driving a main power supply input to a PCI adapter.
6 Conversely, the absence of a positive voltage at the Vaux results in the main
7 power supply input to the PCI adapter being derived from the Vcc input. In an
8 alternative embodiment, jumpers are provided for enabling a user to select
9 which power supply will be used as the "default" power supply for the adapter.

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